

Major Capital Improvements

Schedule & Commitments through 2020



2809 Highwoods Blvd., Suite 100 | Raleigh, NC 27604 919.954.7601 | www.ncrr.com

Building A Better Railroad

Summary	Benefit	Total Cost
		NCRR Investment
Johnston County: Selma Yard Improvements Improve capacity and operations in the Selma yard by adding a fourth track.	Improve Capacity	\$3,470,000
Craven County: Trent River Bridge Tie Replacement Replace bridge ties and draw span lift rails on the bridge over the Trent River in New Bern (EC-59.3) <i>50/50 with Norfolk Southern</i>	Improve Speed and Safety	\$1,890,000
		\$945,000
Alamance County: Webb Avenue Bridge Restoration Painting and cleaning of concrete abutments and wing walls of the bridge over Webb Avenue at Glen Raven. <i>50/50 with Norfolk Southern</i>	Safety/Preservation	\$920,000
		\$460,000
Wake County: Raleigh East Second Main Track NCRR will conduct preliminary engineering for a second main track on the NCRR between milepost h-81.2 and h-84.5. Preliminary engineering will also determine how existing bridge structures can accommodate a second track. Preliminary engineering estimated to be complete in 2012. Further progression of the project will be determined upon completion of the preliminary engineering and upon other potential funding partners.	Improve Capacity	\$56,000,000
		\$10,000,000
Wake County: Double Track Morrisville to Cary – 5.9 Miles Add a second main track from McCrimmon Road to Fether. Connect to NCDOT's Clegg siding creating double track from Raleigh to I-40 in Durham County. Preliminary Engineering completed by NCRR in 2011; need to determine funding partners.	Improve Capacity	\$41,000,000
		\$19,000,000
Mecklenburg/Cabarrus Counties: Double Track North Charlotte to Concord Segment - 12.1 Miles Add a second track and signals to reduce delays associated with meeting and passing trains (Haydock-Junker). <i>ARRA Funded</i>	Improve Capacity (Main Line)	\$95,116,212
		\$10,300,000
Davidson County: Double Track Thomasville to Lexington Segment - 4.2 Miles Extend second track and signals to reduce delays associated with meeting and passing trains (Bowers - Lake). <i>ARRA Funded</i>	Improve Capacity (Main Line)	\$47,545,437
		\$10,300,000
Cabarrus/Rowan Counties: Double Track Kannapolis to Salisbury Segment - 10 Miles Extend second track and signals to reduce delays associated with meeting and passing trains (N. Kannapolis to Reid). <i>ARRA Funded</i>	Improve Capacity (Main Line)	\$92,593,479
		\$10,300,000
Wayne/Lenoir/Craven/Carteret Counties: Bridge & Culvert Program Improve 2 bridges (Goldsboro and Newport) and 2 culverts (Kinston and Cove City). Estimated Completion in 2012 <i>50/50 with Norfolk Southern</i>	Improve Safety & Speed	\$4,677,700
		\$2,338,850
Rowan/Davidson Counties: Rail Work at I-85 Bridge over Yadkin River Improve railroad alignment and provide room for future additional track construction near Yadkin River in Rowan and Davidson counties. <i>NCDOT partnership</i>	Improve Safety & Speed	\$4,444,659
		\$3,000,000
Johnston/Wayne/Lenoir/Craven/Carteret Counties: Eastern Grade Crossing Improvements Improve grade crossing protection on unsignaled or partially signalized grade crossings between CSX Junction in Selma and Morehead City (115 miles). <i>NCDOT/NS/NCRR partnership</i>	Improve Safety and Speed	\$7,641,750
		\$2,227,200
Mecklenburg County: Grade Separation at Sugar Creek Road in Charlotte Eliminate a very busy and dangerous at-grade railroad crossing with grade separation (overhead bridge) of the main freight & passenger line at Sugar Creek Rd. <i>NCDOT/Fed. Funding</i>	Improve Safety and Speed	\$34,000,000
		\$10,000,000
Craven County: New Bern Sidings This project will construct a siding and associated support tracks and facilities near New Bern and curvature along the existing connection between the NCRR EC line and the NS Chocowinity Line.	Improve Capacity	\$20,000,000
		\$8,000,000
Lenoir County: Passing Siding near LaGrange Add a two mile passing siding and increase capacity on the eastern part of the NCRR. There are currently no passing sidings between Selma and Morehead City (114 miles). <i>Norfolk Southern partnership</i>	Improve Capacity	\$4,060,000
Wake County: Walker Street Bridge – Cary The Town of Cary is considering extending Walker Street under the NCRR. Their plans call for a temporary rail bridge structure as part of construction. NCRR's contribution to this project would allow the temporary bridge to remain as a permanent structure for a second main line. <i>Town of Cary partnership</i>	Improve Safety & Speed	TBD
		\$1,000,000

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Construct Three Pedestrian Underpasses between Raleigh and Charlotte (Alamance and Guilford Counties) This project will construct pedestrian underpasses in three selected pilot locations in connection with grade crossing closures or high volume pedestrian locations. The project with Elon University was completed in 2010. The underpass cost \$2.5 million (NCRR - \$1 million; Elon University - \$1.5 million). Construction on UNCG underpass is underway (NCRR - \$1 million; UNCG- \$7 million)	Improve Safety	\$6,000,000
		\$3,000,000
Survey/Monumentation Project This project will establish permanent rail corridor monumentation for corridor management & engineering/planning purposes. It will incorporate geodetic monuments in a statewide survey grid.	Corridor Management	\$3,000,000
Construct Industrial Lead Tracks Construct spur tracks to industrial sites and/or industrial parks to enable or improve rail service	Economic Development	TBD
		\$1,750,000
Durham County: Durham Grade Separations Bridge and crossing improvements in downtown Durham to roadway and pedestrian safety at railroad crossings	Improve Safety	TBD
		\$750,000
Lenoir County: Rebuild Bridges at Mileposts EC-27.8 and EC-27.9 Rebuild wooden bridge trestles over the Neuse River near Kinston. Completed in 2012. <i>50/50 with Norfolk Southern</i>	Improve Safety & Speed	\$8,000,000
		\$4,000,000
Craven County: Trent River Bridge –New Bern Improve corroding steel pipe piles on the bridge over the Trent River in New Bern by encasing them in concrete. Completed in 2012 <i>50/50 with Norfolk Southern</i>	Improve Safety	\$1,890,000
		\$945,000
Lenoir/Craven Counties: Replace Bridges in Eastern North Carolina This project will replace trestles over creeks in Lenoir and Craven counties to address settling piers and weight requirements. Completed in 2011	Improve Speed and Safety	\$3,000,000
		\$1,503,808
Craven/Carteret Counties: Field Welding Welded joints in the rail between New Bern and Morehead City. The rail is 100 lb. continuous welded rail, but has many joints as a result of breakage and detected defects. Completed in 2010	Improve Safety and Speed	\$300,510
Lenoir County: Transload Track Spur track and loading Ramp to serve Global Transpark and other users. Site work, road access, and staging area for transfer point. Completed in 2010	Economic Development	\$891,937
Lenoir County: Straighten Curve in Kinston Straightened a curve in the railroad in downtown Kinston improving train speeds from 10 mph to 25 mph and improving clearances. Completed in 2010	Improve Safety and Speed	\$2,759,628
Guilford County: Double Track High Point/Greensboro Segment - 9 Miles Added a second track to reduce delays associated with meeting and passing trains. DOT studies identified this portion of railroad as one of the most congested. (Cox-Hoskins) Completed in 2009 <i>NC DOT/NS/NCRR partnership</i>	Improve Capacity and Efficiency	\$27,963,685
		\$4,000,000
Wayne/Lenoir/Craven/Carteret Counties: Continuous Welded Rail Installation and Drainage Improvement Upgraded 90 lb. rail (originally dated to 1924) with higher grade continuous welded rail. Completed in 2007. Also improved drainage in Dover and constructed a retaining wall to support the track and welded rail. This portion of the project was completed in 2009.	Improve Reliability Safety & Drainage	\$4,836,410
Johnston County: Replace Restricted Bridge in Clayton Replaced a bridge structure on the main line to eliminate speed restrictions and improve clearance on Old Hwy 70 in Clayton. Completed in 2008	Improve Safety & Speed	\$889,600
Wake/Johnston/Wayne Counties: Construct Three Segments of Passing Tracks and CTC & Communications This work improved capacity by adding three passing tracks totaling approximately 8 miles between Raleigh and Goldsboro to improve passenger and freight train performance and service. It added Centralized Traffic Control for 31 miles to raise to the same standard as Raleigh to Charlotte. The project also included the installation of the Cabarrus Street Interlocking and revised the track layout to increase speed to and from the yard in Raleigh. The project also improved the Boylan Storage Track. Completed in 2008	Improve Capacity, Speed & Efficiency	\$20,882,331
Repair/Renovate - Neuse River Bridge in Johnston County & Hwy 87 Bridge in Alamance County Bridge repair/renovation to eliminate had clearance and elevation restrictions. Completed in 2008	Improve Clearance/Loading	\$78,236
Durham County: Highway 54 Bridge Replace existing single track RR bridge in RTP with double track ready structure to improve capacity and improve vehicular traffic flow below and eliminate substandard clearance	Improve Rail Capacity & Ease Vehicle Congestion	\$5,460,726

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Craven County: Replace Bridge Trestle at Batchelder Creek Replaced a single track wooden trestle over Batchelder Creek in Craven County. Completed in 2006	Improve Capacity & Safety	\$372,237
Durham County: Hopson Road Grade Separation & Realignment Acquired acreage for future straightening of a curve in Durham County (RTP) for adding a passing siding and improving curvature to allow higher speeds for freight and passenger trains. NCRR completed land acquisition in 2006. NCDOT received ARRA funds to add a grade separation at Hopson Road and to realign the curve, thereby eliminating a crossing hazard and improving speed by flattening a curve.	Improve Capacity & Speed	\$13,898,994
		\$2,000,000 (land acquisition)
Lenoir County: Replace Jointed Rail Replaced jointed rail with continuous welded rail for a 17-mile segment near Kinston. Completed in 2005	Improve Efficiency & Speed	\$3,875,652
Lenoir County: Repair/Replace Neuse River Bridge in Kinston and Improve Rail Increased the load of bridge to permit 286,000 lb. standard railcars as on other segments of NCRR and allow for increased port traffic. The project also replaced jointed rail with continuous welded rail for a 14-mile segment in Kinston. Completed in 2004	Improve Efficiency & Speed	\$6,570,182
Durham County: Extend Siding in West Durham (Funston) Extended a passing siding and straightened a curve west of Durham for approximately a 1-mile segment. Completed in 2003 <i>NCDOT partnership</i>	Improve Efficiency & Speed for Passenger Trains	\$2,308,257
		\$22,912
Wake/Johnston Counties: Upgrade track condition between Raleigh and Selma Upgraded the track class between Selma and Raleigh to increase passenger speed to 59 mph for approximately 30 miles. It also upgraded crossing circuits. Completed in 2002	Improve Efficiency & Speed for Passenger Trains	\$2,591,756
Wayne, Lenoir, Craven, and Carteret Counties: Upgrade track condition between Goldsboro and Morehead City Upgraded the track condition between Goldsboro and Morehead City, included tie and rail replacement. Completed in 2000	Improve Efficiency & Speed	\$9,957,700

Last updated 3/13/2013

NCRR Investment Totals (does NOT include partner funds):

Total NCRR investment in completed projects (as of 2012) = \$68 million

Total NCRR share of committed/budgeted projects thru 2020 = \$105 million

To view an interactive map depicting the NCRR Capital Projects, please visit www.ncrr.com